

Summer Math Packet

Grade 3 Students
Going to Grade 4



Trumbull Public Schools
June 2010

Please note:
This packet is for your
summer practice!
It does **not** need to be returned
to school in September.

Please check your answers online
at www.trumbullps.org

What could be
better than a
summer packet?



1. Sixty-four people bought new cars in June. Ten **fewer** people bought new cars in August. How many people bought new cars in August?

- 54
- 63
- 65
- 74

2. Matthew spent \$47.00 at the Mall. Aaron spent \$1.00 **less** than Matthew. How much money did Aaron spend?

- \$36.00
- \$37.00
- \$46.00
- \$48.00

3. Which means the same as $400 + 60 + 8$?

- 4,608
- 4,068
- 468
- 408

4. Which means the same as 297?

- $20 + 90 + 7$
- $200 + 900 + 7$
- $200 + 90 + 7$
- $200 + 90 + 70$

5. Which means the same as 4 tens and 17 ones?

- 417
- 21
- 4017
- 57

6. Which means the same as 84?

- 8 tens and 14 ones
- 7 tens and 14 ones
- 80 tens and 14 ones
- 84 tens

7. In which number does the 2 have the greatest value?

- 268
- 682
- 826
- 628

8. What is the value of 7 in the number 764?

- 7000
- 70
- 700
- 7

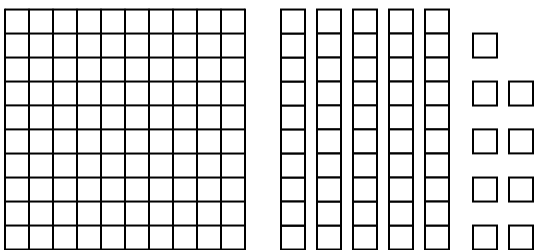
9. The value of 347 would change by how much if the 3 were replaced by a 1?

- 100
 200
 300
 400

10. The value of 528 would change by how much if 6 replaced 2?

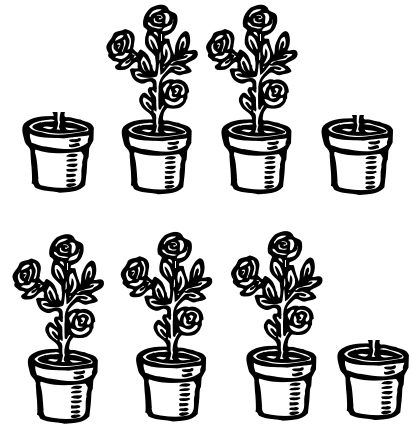
- 4000
 400
 40
 4

11. What number is shown by the blocks in this picture?







- 159
 195
 559
 915

12. What fraction of the pots has flowers?

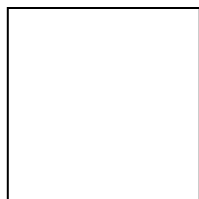


- $\frac{5}{8}$
 $\frac{3}{8}$
 $\frac{3}{5}$
 $\frac{7}{8}$

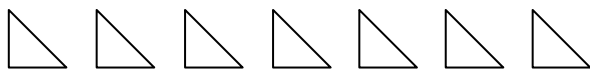
13. Which figure shows $\frac{2}{3}$ shaded?

- 
 
 
 

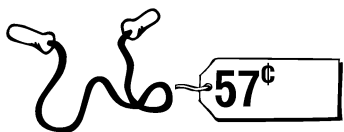
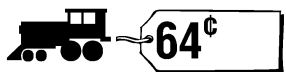
14. Shade in $\frac{2}{4}$ of the shape.



15. Shade in $\frac{4}{7}$ of the shapes below.



16. *TOYS 4 US* is having a sale. Which list below shows the sale prices from **greatest to least**?



- 57, 64, 61, 62
 64, 62, 57, 61
 64, 62, 61, 57
 57, 64, 61, 62

Use the table to answer question 17.

NAME	AMOUNT EARNED
Tom	\$ 6.50
Elaine	\$ 8.25
Jerry	\$ 9.75
Mari	\$ 7.50
Helene	\$ 5.75

17. Which 2 students both earned **more than** \$7.00 but **less than** \$9.00?

- Tom, Mari
 Jerry, Elaine
 Elaine, Mari
 Mari, Jerry

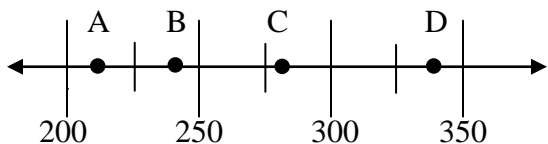
18. Sue owns 29 videos. This number is **closest to**

- 15
 20
 30
 40

19. There were 62 new students in school last month. This amount is a little

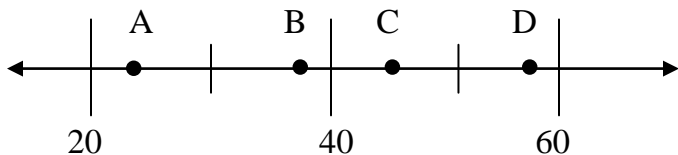
- less than 50.
 more than 50.
 less than 60.
 more than 60.

20. The number 277 would be **closest** to which letter on the number line?



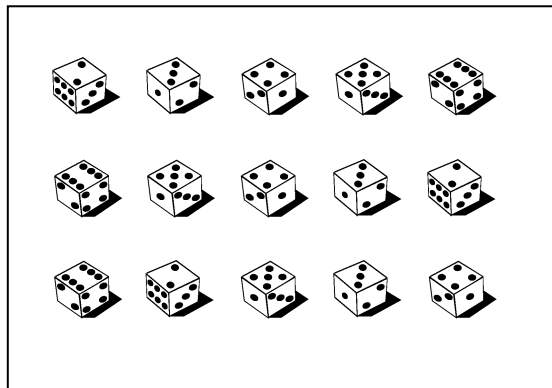
- A
 B
 C
 D

21. Which number does point B stand for on the number line?



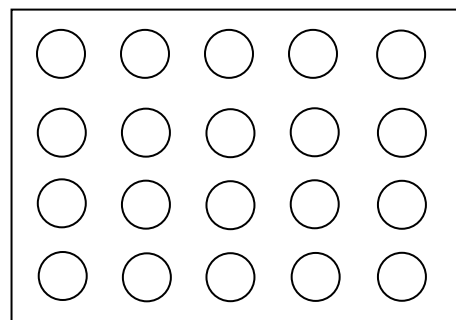
- 38
 58
 22
 42

22. Thom shared 15 dice equally among 3 friends. Which fact could be used to find the number of dice each friend should receive?



- $3 + 5$
 $15 + 3$
 $15 \div 3$
 15×3

23. Which number sentence goes with this picture?



- $20 - 5$
 $4 + 5$
 $20 + 4$
 4×5

24. Write a story problem that can be solved using the number sentence $26 + 18 = \square$.

25. Write a story problem that can be solved using the number sentence $7 - 3 = \square$.

26. There were 17 girls playing jump rope. 14 of the girls stopped playing. To find out how many girls are still playing, you would

- multiply 17 by 14.
- add 14 to 17.
- subtract 14 from 17.
- divide 17 by 14.

27. Sue painted 6 trees in her picture. Then she painted 2 more trees. Which number sentence should be used to find the total number of trees Sue painted?

- 6×2
- $6 \div 2$
- $6 - 2$
- $6 + 2$

28.

$$15 - 9 =$$

- 6
- 8
- 4
- 7

29.

$$8 + 7 =$$

- 13
- 14
- 15
- 16

30.

$$3 \times 10 =$$

- 33
- 30
- 300
- 310

31.

$$18^2 =$$

- 6
- 7
- 8
- 9

32.

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

- 12
- 14
- 16
- 18

33.

$$5/30$$

- 6
- 7
- 8
- 9

34.

$$35 + 23 =$$

- 12
 18
 52
 58

38. Sara made a necklace out of beads. She used 58 yellow beads and 33 red beads. How many beads are in the necklace?

- 91
 85
 25
 21

35.

$$\begin{array}{r} 47 \\ -25 \\ \hline \end{array}$$

- 22
 25
 62
 72

39. The baker sold 21 orange cupcakes and 65 banana cupcakes. How many more banana cupcakes were sold?

- 34
 44
 84
 85

36.

$$\begin{array}{r} 62 \\ +29 \\ \hline \end{array}$$

- 81
 91
 811
 911

40. Lisa cleaned out her desk and found 12 pencils, 5 pens, 2 rulers, and 3 dimes. How many pens and pencils did she find?

- 5
 7
 17
 22

37.

$$65 + 8 =$$

- 63
 73
 136
 145

41. Fran baked 12 sugar cookies, 24 muffins and 35 chocolate chip cookies. How many more chocolate chip cookies did Fran bake than sugar cookies?

- 11
 12
 23
 24

42. Marc needs to subtract 236 from 895. Which of the following would be **best** for Marc to use to **estimate** the difference?

- 800 – 200
- 900 – 300
- 800 – 300
- 900 – 200

46 Darnell read between 4 and 10 pages a day for 3 days in his Harry Potter book. **About** how many pages could he have read in 3 days?

- 20
- 40
- 55
- 70

43. Bill bought a bike for \$58.29 and a pair of gloves for \$21.98. Which of the following would be **best** for Bill to use to **estimate** the total?

- \$50 + \$20
- \$50 + \$30
- \$60 + \$20
- \$60 + 30

47. Mrs. Andrews gave 285 chocolate scented pencils and 391 strawberry scented pencils as prizes to the students. **About** how many pencils did she give?

- Less than 500
- Between 500 and 600
- Between 600 and 700
- More than 700

44. Jackie found 48 shells at the beach. Leslie found 33 shells. **About** how many shells did the girls find?

- 10
- 20
- 70
- 80

48. The school store sold 29 notebooks on Monday. It sold 42 notebooks on Tuesday. **About** how many notebooks were sold on those two days?

- Less than 50
- About 60
- About 70
- More than 80

45. Miffy bought 27 red apples and 49 yellow apples. **About** how many apples did she buy in all?

- a little less than 70
- a little more than 70
- a little less than 80
- a little more than 80

49. Gary's clock at home showed the time below. What time was it?

- Quarter of 2
- quarter of 3
- Half-past 2
- Quarter after 3

51. Michael and Arturo went underwater scuba diving from 7:30 to 9:00 A.M. How long did they stay underwater?

- 1 hour, 15 minutes
- 1 hour, 30 minutes
- 2 hours, 15 minutes
- 2 hours, 30 minutes

50. Rose's clock showed quarter past seven. At which clock was she looking?

Use the calendar below to answer questions 52 and 53.

August

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

52. Jeannie is planning to go to the beach on August eighth. What day is that?

- Thursday
- Tuesday
- Saturday
- Sunday

53. On the calendar above, which date is the third Thursday of the month?

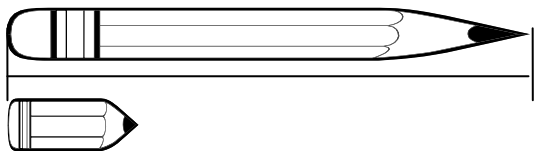
- August 3
- August 15
- August 17
- August 31

54. Josie practiced the piano for one hour. If she started at quarter past three, at what time did she finish?

- 3:30
- 3:45
- 4:15
- 4:30

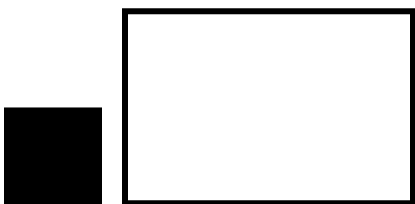
(15A)

55. Lucy measured two pencils. She found that the longer pencil had a length of 12 centimeters. **About** how long is the shorter pencil?



- 1 centimeters
- 2 centimeters
- 3 centimeters
- 4 centimeters

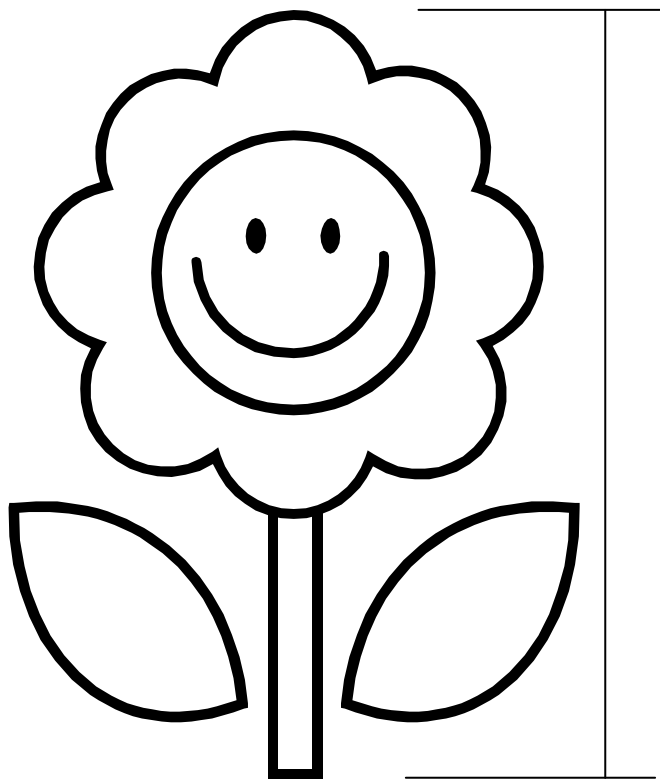
56. **About** how many shaded shapes does it take to cover the entire area?



- 2
- 4
- 6
- 8

Use the ruler at the bottom of Page 14 to answer question 57.

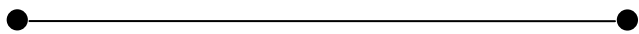
57. Measure the height of the flower (from the top to the bottom) to the nearest inch.



- 2 inches
- 3 inches
- 4 inches
- 5 inches

Use the ruler at the bottom of this page to answer question 58 – 60.

58. Use the ruler at the bottom of page 14 to measure the line segment below to the nearest centimeter. Do not measure the end points.



- 2 centimeters
- 4 centimeters
- 6 centimeters
- 8 centimeters

59. Draw a line segment that is 3 inches long in the box below.

60. Draw a line segment that is 10 centimeters long in the box below.

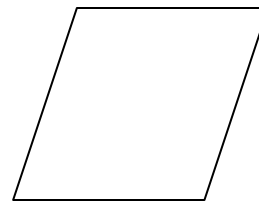


61. Which is a **reasonable** height for a flagpole?

- 6 meters
- 6 centimeters
- 6 kilometers
- 6 liters

64. What is the name of this shape?

- square
- triangle
- rectangle
- parallelogram



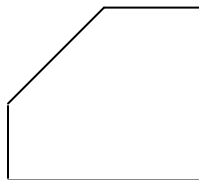
62. Which object would be **about** 6 feet tall?

- a kitten
- a school
- a bookcase
- a chair

65. Draw a three-sided polygon inside the box below.

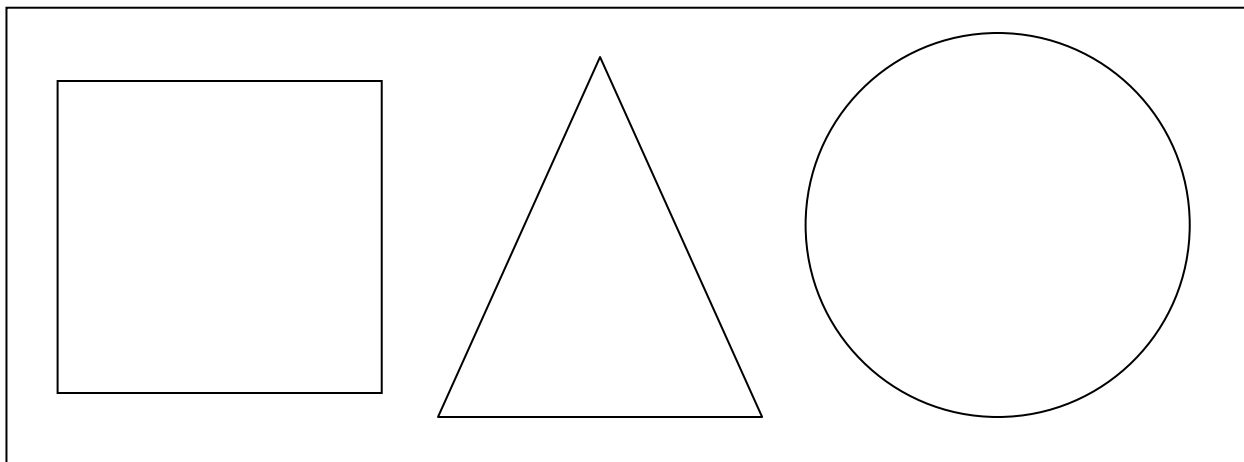


63. How many angles does this shape have?

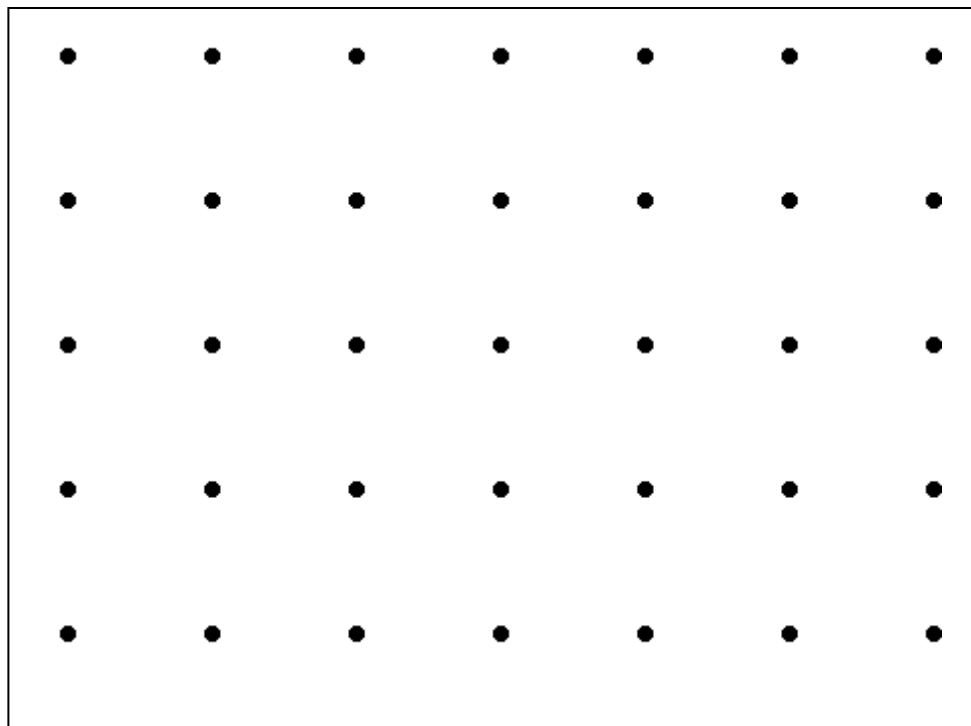


- 1
- 3
- 5
- 7

66. Draw a hexagon inside the circle.

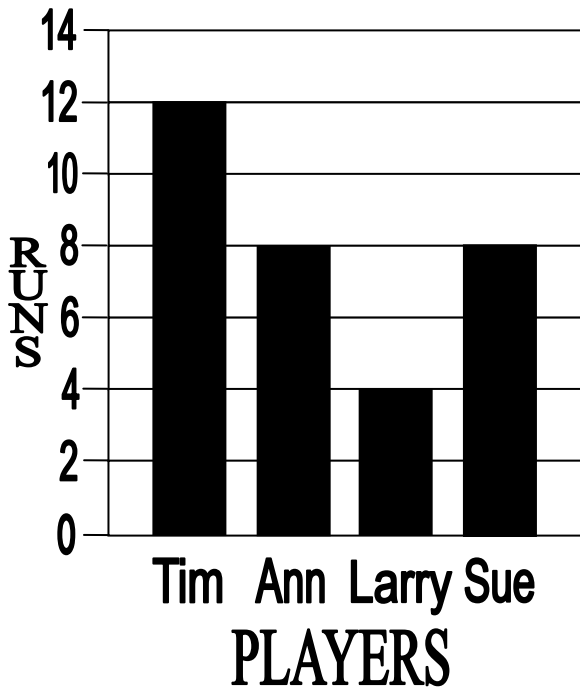


67. Draw a polygon on the grid that is 3 units long on all sides.



The graph below shows how many runs five baseball players on the Jets' team batted in. Use the graph to answer questions 68 and 69.

RUNS BATTED IN



68. Who batted in the **fewest** runs?

- Tim
- Ann
- Larry
- Sue

69. How many runs did Tim and Ann bat in **altogether**?

- 36
- 20
- 12
- 8

The fourth graders at Baine School held bake sales all year to raise money for new computers. The pictograph shows how much money each class raised.

Money from Bake Sales	
Mrs. Dea	
Mr. West	
Mr. Jones	
Miss Bliss	

Each  represents 10 dollars.

70. Which class raised **more than** \$35 but **less than** \$50?

- Miss Bliss's class
- Mr. West's class
- Mrs. Dea's class
- Mr. Jones's class

The table shows the number of snacks sold at the school basketball game.

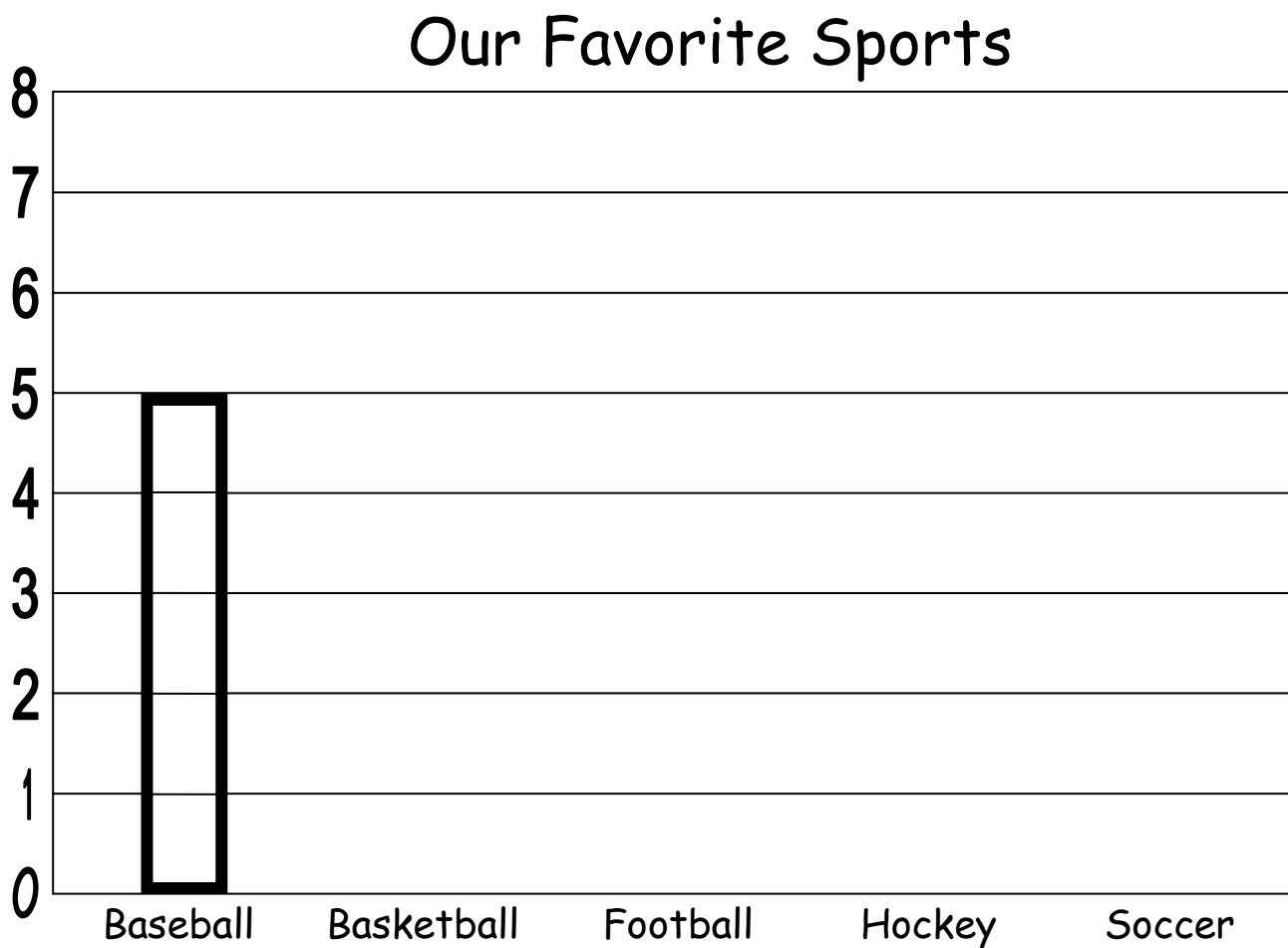
	Before Game	During Game
Hot Dogs	33	47
Burgers	28	55
Soda	54	57
Chips	52	41

71. Which snack was the **most** popular?

- Hot Dogs
- Burgers
- Soda
- Chips

72. Mrs. Jackson asked her students about their favorite sports. Complete the **bar graph** using the information in the chart. **Do not shade the bars.** (Just outline them.) The first bar is done to help you.

OUR FAVORITE SPORTS	
Name of Sport	Number of Students
Baseball	5
Basketball	8
Football	3
Hockey	1
Soccer	6



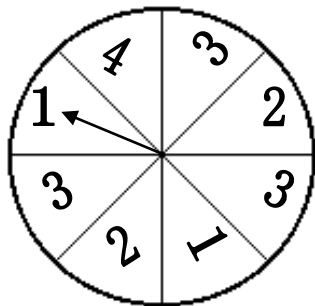
73. Create a **pictograph** using the following data.

What is your favorite ice cream flavor?	
FLAVOR	VOTES
Vanilla	5
Chocolate	4
Strawberry	1
Rocky Road	3

FAVORITE ICE CREAM FLAVORS

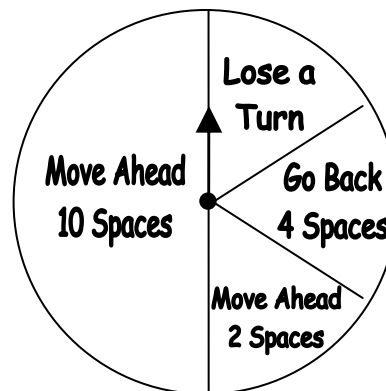
Let 1 represent 1 vote.

74. Katie spun the spinner once. The arrow landed on 1. If Katie spins the spinner one more time, on which number is the arrow **least** likely to land?



- 1
- 2
- 3
- 4

76. Tom was playing a game with the spinner below. If he spins one more time, on which part of the spinner is he **most** likely to land?



- Lose a Turn
- Go Back 4 Spaces
- Move Ahead 2 Spaces
- Move Ahead 10 Spaces

75. Mickey has a collection of marbles. He keeps 25 blue, 75 green, 15 yellow, and 50 red marbles in a bag. If Mickey reaches into the bag without looking and takes out one marble, what color is he **most** likely to get?

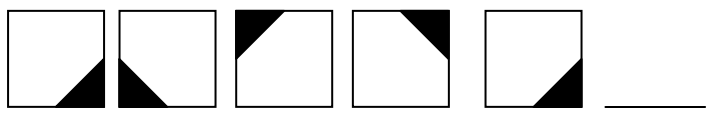
- blue
- green
- yellow
- red

77. What two numbers are missing in the following pattern?

5, 13, 21, ____, ____, 45, 53

- 24, 27
- 29, 37
- 31, 41
- 26, 31

78. What shape is next in the pattern below?



-
-
-
-

79. Which number belongs in the blank space?

1	3	5	7
3	5	7	9
5	7	9	11
7	9	11	

- 12
- 13
- 14
- 15

80. Which shape belongs in the blank space?

-
-
-
-

81. What number is missing in the table?

- 7
- 9
- 11
- 13

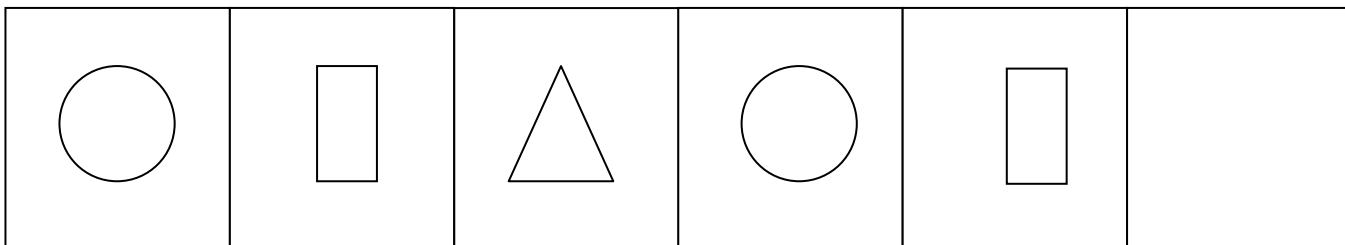
IN	OUT
10	5
8	3
15	10
12	

82. What rule was followed in the table below?

- Add 2
- Add 4
- Multiply by 2
- Multiply by 4

START	END
2	6
5	9
8	12
11	15

83. What is the next shape in the following pattern? **Draw** the shape. Then **write** a sentence that explains why you drew the shape. (*HINT: Do not just say that you followed the pattern.*)



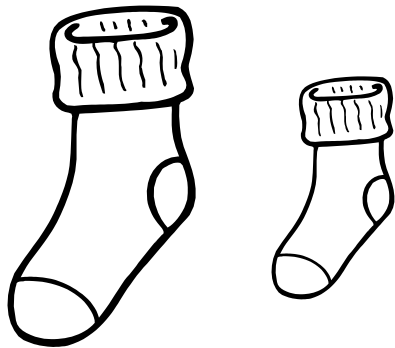
Explanation: _____

84. What number is missing in the pattern below? Write the number on the blank space. Then write a sentence explaining why you chose that number.

41, 36, 31, 26, 21, _____

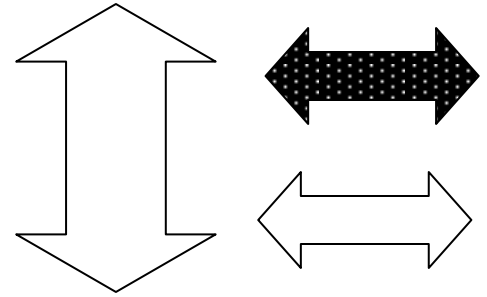
Explanation: _____

85. Mr. Jones found these two socks in the dryer. How are the socks **different**?



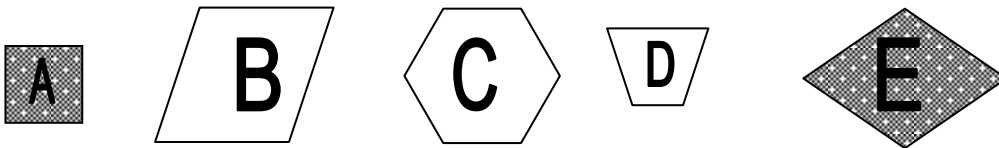
- Color
- Size
- Shape
- Color and Size

86. Mr. Gaudet drew three arrows. How are the three arrows the **same**?



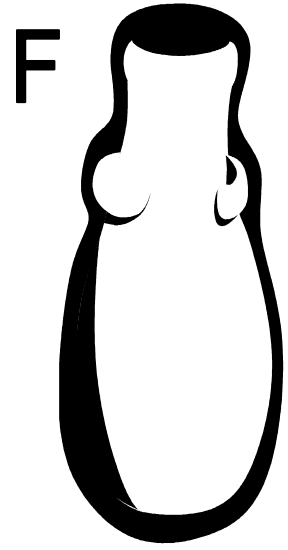
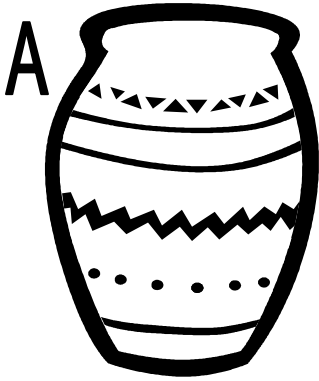
- Size
- Color
- Shape
- Shape and Color

87. Sort all 5 of these shapes into 2 groups so that the shapes in each group have something in common. Show how you grouped the shapes by writing the letter from each shape into the boxes marked Group 1 and Group 2. Then write a sentence that explains how you decided to group the shapes.



GROUP 1	GROUP 2

88. Sort all 6 of these figures into 2 groups so that the figures in each group have something in common. Show how you grouped the figures by writing the letter from each figure into the boxes marked Group 1 and Group 2. Then write a sentence that explains how you decided to group the figures.



GROUP 1	GROUP 2
